

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 0172.41221CX1

First Inventor HOLMA, HARRI

Title INTER-FREQUENCY MEASUREMENTS WITH
MIMO TERMINALS

Express Mail Label No.

APPLICATION ELEMENTS
SEE MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:
 Mail Stop Patent Application
 Commissioner for Patents
 P.O. Box 1450
 Alexandria VA 22313-1450

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)
<i>(Submit an original and a duplicate for fee processing)</i> | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix) |
| 2. <input type="checkbox"/> Applicant claims small entity status.
See 37 CFR 1.27. | 8. Nucleotide and/or Amino Acid Sequence Submission
<i>(if applicable, all necessary)</i> |
| 3. <input checked="" type="checkbox"/> Specification [Total Pages: 35]
<i>(preferred arrangement set forth below)</i> | a. <input type="checkbox"/> Computer Readable Form (CRF) |
| -Descriptive title of the invention | |
| -Cross Reference to Related Applications | |
| -Statement Regarding Fed sponsored R & D | |
| -Reference to sequence listing, a table,
or a computer program listing appendix | |
| -Background of the Invention | |
| -Brief Summary of the Invention | |
| -Brief Description of the Drawings (if filed) | |
| -Detailed Description | |
| -Claim(s) | |
| -Abstract of the Disclosure | |
| 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets: 3] | 9. <input type="checkbox"/> Assignment Papers (cover sheet & documents(s)) |
| 5. Oath or Declaration [Total Sheets: 5] | 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney
<i>(when there is an assignee)</i> |
| a. <input type="checkbox"/> Newly executed (original or copy) | 11. <input type="checkbox"/> English Translation Document (if applicable) |
| b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d))
<i>(for continuation/divisional with Box 18 completed)</i> | 12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations |
| i. <input type="checkbox"/> DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s)
Named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b) | 13. <input checked="" type="checkbox"/> Preliminary Amendment |
| 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 | 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)
<i>(Should be specifically itemized)</i> |
| 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,
or in an Application Data Sheet under 37 CFR 1.76: | |
| <input checked="" type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: 10/113,690 | |

Prior application information: Examiner: A. Qureshi Art Unit: 2667

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number	020457	OR <input type="checkbox"/> Correspondence address below
Name	ANTONELLI, TERRY, STOUT & KRAUS, LLP	
Address		
City	State	Zip Code
Country	Telephone	Fax
Name (Print/Type)	Donald E. Stout	Registration No. (Attorney/Agent)
Signature	Date March 3, 2004	

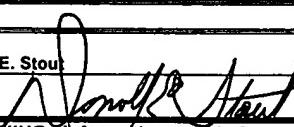
This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

030304
13281 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

S. PTO FEE TRANSMITTAL for FY 2004		Complete If Known		
		Application Number	Rule 53(b) of 10/113,690	
		Filing Date	March 3, 2004	
		First Named Inventor	HOLMA, HARRI	
		Examiner Name	Unassigned	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Art Unit	Unassigned	
TOTAL AMOUNT OF PAYMENT		(\$) 770.00	Attorney Docket No.	0172.41221CX1

METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)																																																																																																																															
<input type="checkbox"/> Check <input checked="" type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None				3. ADDITIONAL FEES																																																																																																																															
Deposit Account: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 10%;">Deposit Account Number</td><td>01-2135</td></tr> <tr><td>Deposit Account Name</td><td>Antonelli, Terry, Stout & Kraus, LLP</td></tr> </table> <p>The Director is authorized to: (check all that apply)</p> <input type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments				Deposit Account Number	01-2135	Deposit Account Name	Antonelli, Terry, Stout & Kraus, LLP	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Large Entity</th> <th style="width: 20%;">Small Entity</th> <th colspan="2" style="width: 60%;">Fee Description</th> </tr> <tr> <th>Fee Code (\$)</th> <th>Fee Code (\$)</th> <th>Fee (\$)</th> <th>Description</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65 Surcharge – late filing fee or oath</td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25 Surcharge – late provisional filing fee or cover sheet</td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130 Non-English specification</td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520 For filing a request for ex parte reexamination</td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920* Requesting publication of SIR prior to Examination action</td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840* Requesting publication of SIR after Examiner action</td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55 Extension for reply within first month</td></tr> <tr><td>1252</td><td>420</td><td>2252</td><td>210 Extension for reply within second month</td></tr> <tr><td>1253</td><td>950</td><td>2253</td><td>475 Extension for reply within third month</td></tr> <tr><td>1254</td><td>1,480</td><td>2254</td><td>740 Extension for reply within fourth month</td></tr> <tr><td>1255</td><td>2,010</td><td>2255</td><td>1,005 Extension for reply within fifth month</td></tr> <tr><td>1401</td><td>330</td><td>2401</td><td>165 Notice of Appeal</td></tr> <tr><td>1402</td><td>330</td><td>2402</td><td>165 Filing a brief in support of an appeal</td></tr> <tr><td>1403</td><td>290</td><td>2403</td><td>145 Request for oral hearing</td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510 Petition to institute a public use proceeding</td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55 Petition to revive – unavoidable</td></tr> <tr><td>1453</td><td>1,330</td><td>2453</td><td>665 Petition to revive – unintentional</td></tr> <tr><td>1501</td><td>1,330</td><td>2501</td><td>665 Utility issue fee (or reissue)</td></tr> <tr><td>1502</td><td>480</td><td>2502</td><td>240 Design issue fee</td></tr> <tr><td>1503</td><td>640</td><td>2503</td><td>320 Plant issue fee</td></tr> <tr><td>1406</td><td>130</td><td>1460</td><td>130 Petitions to the Commissioner</td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50 Processing fee under 37 CFR 1.17(q)</td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180 Submission of Information Disclosure Stmt</td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40 Recording each patent assignment per property (times number of properties)</td></tr> <tr><td>1809</td><td>770</td><td>2809</td><td>385 Filing a submission after final rejection (37 CFR § 1.129(a))</td></tr> <tr><td>1810</td><td>770</td><td>2810</td><td>385 For each additional invention to be examined (37 CFR § 1.129(b))</td></tr> <tr><td>1801</td><td>770</td><td>2801</td><td>385 Request for Continued Examination (RCE)</td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900 Request for expedited examination of a design application</td></tr> </tbody> </table>				Large Entity	Small Entity	Fee Description		Fee Code (\$)	Fee Code (\$)	Fee (\$)	Description	1051	130	2051	65 Surcharge – late filing fee or oath	1052	50	2052	25 Surcharge – late provisional filing fee or cover sheet	1053	130	1053	130 Non-English specification	1812	2,520	1812	2,520 For filing a request for ex parte reexamination	1804	920*	1804	920* Requesting publication of SIR prior to Examination action	1805	1,840*	1805	1,840* Requesting publication of SIR after Examiner action	1251	110	2251	55 Extension for reply within first month	1252	420	2252	210 Extension for reply within second month	1253	950	2253	475 Extension for reply within third month	1254	1,480	2254	740 Extension for reply within fourth month	1255	2,010	2255	1,005 Extension for reply within fifth month	1401	330	2401	165 Notice of Appeal	1402	330	2402	165 Filing a brief in support of an appeal	1403	290	2403	145 Request for oral hearing	1451	1,510	1451	1,510 Petition to institute a public use proceeding	1452	110	2452	55 Petition to revive – unavoidable	1453	1,330	2453	665 Petition to revive – unintentional	1501	1,330	2501	665 Utility issue fee (or reissue)	1502	480	2502	240 Design issue fee	1503	640	2503	320 Plant issue fee	1406	130	1460	130 Petitions to the Commissioner	1807	50	1807	50 Processing fee under 37 CFR 1.17(q)	1806	180	1806	180 Submission of Information Disclosure Stmt	8021	40	8021	40 Recording each patent assignment per property (times number of properties)	1809	770	2809	385 Filing a submission after final rejection (37 CFR § 1.129(a))	1810	770	2810	385 For each additional invention to be examined (37 CFR § 1.129(b))	1801	770	2801	385 Request for Continued Examination (RCE)	1802	900	1802	900 Request for expedited examination of a design application
Deposit Account Number	01-2135																																																																																																																																		
Deposit Account Name	Antonelli, Terry, Stout & Kraus, LLP																																																																																																																																		
Large Entity	Small Entity	Fee Description																																																																																																																																	
Fee Code (\$)	Fee Code (\$)	Fee (\$)	Description																																																																																																																																
1051	130	2051	65 Surcharge – late filing fee or oath																																																																																																																																
1052	50	2052	25 Surcharge – late provisional filing fee or cover sheet																																																																																																																																
1053	130	1053	130 Non-English specification																																																																																																																																
1812	2,520	1812	2,520 For filing a request for ex parte reexamination																																																																																																																																
1804	920*	1804	920* Requesting publication of SIR prior to Examination action																																																																																																																																
1805	1,840*	1805	1,840* Requesting publication of SIR after Examiner action																																																																																																																																
1251	110	2251	55 Extension for reply within first month																																																																																																																																
1252	420	2252	210 Extension for reply within second month																																																																																																																																
1253	950	2253	475 Extension for reply within third month																																																																																																																																
1254	1,480	2254	740 Extension for reply within fourth month																																																																																																																																
1255	2,010	2255	1,005 Extension for reply within fifth month																																																																																																																																
1401	330	2401	165 Notice of Appeal																																																																																																																																
1402	330	2402	165 Filing a brief in support of an appeal																																																																																																																																
1403	290	2403	145 Request for oral hearing																																																																																																																																
1451	1,510	1451	1,510 Petition to institute a public use proceeding																																																																																																																																
1452	110	2452	55 Petition to revive – unavoidable																																																																																																																																
1453	1,330	2453	665 Petition to revive – unintentional																																																																																																																																
1501	1,330	2501	665 Utility issue fee (or reissue)																																																																																																																																
1502	480	2502	240 Design issue fee																																																																																																																																
1503	640	2503	320 Plant issue fee																																																																																																																																
1406	130	1460	130 Petitions to the Commissioner																																																																																																																																
1807	50	1807	50 Processing fee under 37 CFR 1.17(q)																																																																																																																																
1806	180	1806	180 Submission of Information Disclosure Stmt																																																																																																																																
8021	40	8021	40 Recording each patent assignment per property (times number of properties)																																																																																																																																
1809	770	2809	385 Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																
1810	770	2810	385 For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																
1801	770	2801	385 Request for Continued Examination (RCE)																																																																																																																																
1802	900	1802	900 Request for expedited examination of a design application																																																																																																																																
Fee Calculation																																																																																																																																			
1. BASIC FILING FEE <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Large Entity</th> <th style="width: 20%;">Small Entity</th> <th colspan="2" style="width: 60%;">Fee Description</th> </tr> <tr> <th>Fee Code (\$)</th> <th>Fee Code (\$)</th> <th>Fee (\$)</th> <th>Description</th> </tr> </thead> <tbody> <tr><td>1001</td><td>770</td><td>2001</td><td>385 Utility filing fee</td></tr> <tr><td>1002</td><td>340</td><td>2002</td><td>170 Design filing fee</td></tr> <tr><td>1003</td><td>530</td><td>2003</td><td>265 Plant filing fee</td></tr> <tr><td>1004</td><td>770</td><td>2004</td><td>385 Reissue filing fee</td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80 Provisional filing fee</td></tr> <tr><td colspan="2" style="text-align: right;">SUBTOTAL (1)</td><td>770.00</td><td></td></tr> </tbody> </table>				Large Entity	Small Entity	Fee Description		Fee Code (\$)	Fee Code (\$)	Fee (\$)	Description	1001	770	2001	385 Utility filing fee	1002	340	2002	170 Design filing fee	1003	530	2003	265 Plant filing fee	1004	770	2004	385 Reissue filing fee	1005	160	2005	80 Provisional filing fee	SUBTOTAL (1)		770.00																																																																																																	
Large Entity	Small Entity	Fee Description																																																																																																																																	
Fee Code (\$)	Fee Code (\$)	Fee (\$)	Description																																																																																																																																
1001	770	2001	385 Utility filing fee																																																																																																																																
1002	340	2002	170 Design filing fee																																																																																																																																
1003	530	2003	265 Plant filing fee																																																																																																																																
1004	770	2004	385 Reissue filing fee																																																																																																																																
1005	160	2005	80 Provisional filing fee																																																																																																																																
SUBTOTAL (1)		770.00																																																																																																																																	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="width: 20%;">Fee from Extra Claims below</th> <th colspan="2" style="width: 20%;">Fee Paid</th> <th colspan="4" style="width: 60%;">Fee Description</th> </tr> <tr> <th>Total Claims</th> <th>1 -20** =</th> <th>x</th> <th>= 0</th> <th>1453</th> <th>1,330</th> <th>2453</th> <th>665 Petition to revive – unintentional</th> </tr> </thead> <tbody> <tr> <td>Indep. Claims</td> <td>1 -3** =</td> <td>x</td> <td>= 0</td> <td>1501</td> <td>1,330</td> <td>2501</td> <td>665 Utility issue fee (or reissue)</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td>= 0</td> <td>1502</td> <td>480</td> <td>2502</td> <td>240 Design issue fee</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>1503</td> <td>640</td> <td>2503</td> <td>320 Plant issue fee</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>1406</td> <td>130</td> <td>1460</td> <td>130 Petitions to the Commissioner</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>1807</td> <td>50</td> <td>1807</td> <td>50 Processing fee under 37 CFR 1.17(q)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>1806</td> <td>180</td> <td>1806</td> <td>180 Submission of Information Disclosure Stmt</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>8021</td> <td>40</td> <td>8021</td> <td>40 Recording each patent assignment per property (times number of properties)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>1809</td> <td>770</td> <td>2809</td> <td>385 Filing a submission after final rejection (37 CFR § 1.129(a))</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>1810</td> <td>770</td> <td>2810</td> <td>385 For each additional invention to be examined (37 CFR § 1.129(b))</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>1801</td> <td>770</td> <td>2801</td> <td>385 Request for Continued Examination (RCE)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>1802</td> <td>900</td> <td>1802</td> <td>900 Request for expedited examination of a design application</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td colspan="4">Other fee (specify) _____</td> </tr> </tbody> </table>				Fee from Extra Claims below		Fee Paid		Fee Description				Total Claims	1 -20** =	x	= 0	1453	1,330	2453	665 Petition to revive – unintentional	Indep. Claims	1 -3** =	x	= 0	1501	1,330	2501	665 Utility issue fee (or reissue)	Multiple Dependent			= 0	1502	480	2502	240 Design issue fee					1503	640	2503	320 Plant issue fee					1406	130	1460	130 Petitions to the Commissioner					1807	50	1807	50 Processing fee under 37 CFR 1.17(q)					1806	180	1806	180 Submission of Information Disclosure Stmt					8021	40	8021	40 Recording each patent assignment per property (times number of properties)					1809	770	2809	385 Filing a submission after final rejection (37 CFR § 1.129(a))					1810	770	2810	385 For each additional invention to be examined (37 CFR § 1.129(b))					1801	770	2801	385 Request for Continued Examination (RCE)					1802	900	1802	900 Request for expedited examination of a design application					Other fee (specify) _____																			
Fee from Extra Claims below		Fee Paid		Fee Description																																																																																																																															
Total Claims	1 -20** =	x	= 0	1453	1,330	2453	665 Petition to revive – unintentional																																																																																																																												
Indep. Claims	1 -3** =	x	= 0	1501	1,330	2501	665 Utility issue fee (or reissue)																																																																																																																												
Multiple Dependent			= 0	1502	480	2502	240 Design issue fee																																																																																																																												
				1503	640	2503	320 Plant issue fee																																																																																																																												
				1406	130	1460	130 Petitions to the Commissioner																																																																																																																												
				1807	50	1807	50 Processing fee under 37 CFR 1.17(q)																																																																																																																												
				1806	180	1806	180 Submission of Information Disclosure Stmt																																																																																																																												
				8021	40	8021	40 Recording each patent assignment per property (times number of properties)																																																																																																																												
				1809	770	2809	385 Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																												
				1810	770	2810	385 For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																												
				1801	770	2801	385 Request for Continued Examination (RCE)																																																																																																																												
				1802	900	1802	900 Request for expedited examination of a design application																																																																																																																												
				Other fee (specify) _____																																																																																																																															
<small>**or number previously paid, if greater; For Reissues, see above.</small>				<small>*Reduced by Basic Filing Fee Paid</small>																																																																																																																															
				SUBTOTAL (3) (\$)																																																																																																																															

SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	Donald E. Stout	Registration No. (Attorney/Agent)	26,422	Telephone	703-312-6600
Signature				Date	03/03/2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450